UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/073,618	02/11/2002	Jian Cao	MSFT-0767/186581.1	4512

41505 7590 09/08/2005	EXAMINER
WOODCOCK WASHBURN LLP ONE LIBERTY PLACE - 46TH FLOOR PHILADELPHIA, PA 19103	BILGRAMI, ASGHAR H

ART UNIT	PAPER NUMBER
2143	

DATE MAILED: 09/08/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) ☒ Responsive to communication(s) filed on <u>03 June 2005</u>.

2a) ☒ This action is **FINAL**.   2b) ☐ This action is non-final.

3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) ☒ Claim(s) *1-58* is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) ☐ Claim(s) _____ is/are allowed.

6) ☒ Claim(s) *1-58* is/are rejected.

7) ☐ Claim(s) _____ is/are objected to.

8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) ☐ The specification is objected to by the Examiner.

10) ☒ The drawing(s) filed on *11 February 2002* is/are: a)☐ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All   b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
    Paper No(s)/Mail Date _____.

4) ☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____.

5) ☐ Notice of Informal Patent Application (PTO-152)

6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the

basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed
> in the United States before the invention by the applicant for patent or (2) a patent granted on an application for
> patent by another filed in the United States before the invention by the applicant for patent, except that an
> international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this
> subsection of an application filed in the United States only if the international application designated the United
> States and was published under Article 21(2) of such treaty in the English language.

2.   Claims 1-58 are rejected under 35 U.S.C. 102(e) as being anticipated by Schilling (U.S.

Pub No 2003/0182447 A1).

3.   As per claims 1, 15-18, 36, 38, 39, 40, 55-57 & 58 Schilling disclosed a computing

system, a method for providing runtime automatic universal resource locator (URL) analysis and

suggestion in connection with a service accessed from a client computing device utilizing a URL

input mechanism, comprising: inputting URL input to the URL input mechanism of the client

computing device (page.2, paragraphs.10 & 16); analyzing the URL input and determining

whether the LTRL input is valid and if invalid, transmitting said URL input to a server

computing device for analysis based upon one of (1) at least one database of known URLs

(page.2, paragraphs.17 & 18 & page.3, paragraphs 19 through 21) and rules-based analysis of the

invalid URL input; and suggesting at least one alternative URL based upon said analysis (page.2,

paragraph.11 & page.3, paragraphs 19 through 21).

4.   As per claims 2, 21 & 43 Schilling disclosed a method according to claim 1, wherein the at least one database of known URLs includes a dynamically updated database of current URLs (paragraphs.17, 19 & 26).

5.   As per claims 3, 22 & 44 Schilling disclosed a method according to claim 1, wherein the at least one database of known URLs includes a top URL list checked before any other database (paragraphs.17, 19 & 26).

6.   As per claims 4, 23 & 45 Schilling disclosed a method according to claim 3, wherein the at least one database of known URLs includes secondary list which is analyzed after the top URL list if at least one alternative URL is not found based on an analysis of the top URL list (paragraphs.17, 19 & 21).

7.   As per claims 5, 24 & 46 Schilling disclosed a method according to claim 4, wherein the at least one database of known URLs includes a complete list of URLs which is analyzed after the secondary list if at least one alternative URL is not found based on an analysis of the secondary list (paragraphs.17, 19 & 21).

8.   As per claims 6, 19 & 20 Schilling disclosed a method according to claim 1, further including preprocessing the URL input to at least one of (1) remove non-domain name service (DNS) characters (2) to replace non-DNS characters and (3) to correct an error in protocol (Page.3, paragraphs. 23, 24 & 27).

9.   As per claims 7, 25 & 47 Schilling disclosed a method according to claim 1, wherein the

client device includes a browser and the URL input is URL input intended for one of navigation

to a Web site and search on a Web site (page.2, paragraph.16).

10.   As per claims 8, 26 & 48 A method according to claim 1, further including displaying the

suggested alternative URLs to the user via an error page (page.3, paragraph.24).

11.   As per claims 9, 27 & 49 Schilling disclosed a method according to claim 8, further

including performing a search with the URL input as a query and displaying the results of the

search on the error page (page.3, paragraphs. 23 & 24).

12.   As per claims 10, 28, 37 & 50 Schilling disclosed a method according to claim 8, further

including displaying a link on the client computing device error page, which link, if input by the

user, retries the original URL input (page.3, paragraph.24).

13.   As per claims 11, 29 & 51 Schilling disclosed a method according to claim 8, further

including tracking user behavior in response to the display of the error page.

14.   As per claims 12, 30 & 52 A method according to claim 1, wherein the at least one

database includes URLs that are weighted according to their popularity (page.1, paragraph.8).

15. As per claims 13, 31 & 53 Schilling disclosed a method according to claim 1, wherein

said rules based analysis includes applying rules from a rules based table (paragraphs.17, 19 &

21).

16. As per claims 14, 32 & 54 Schilling disclosed a method according to claim 1, wherein

said rules based analysis includes applying rules to the analysis based upon said at least one

known URLs database (paragraphs.17, 19 & 21).

Response to Arguments

17. Applicant's arguments filed 06/03/2005 have been fully considered but they are not

persuasive.

18. The applicant argued, "nowhere in its disclosure does Schilling teach, "when URL input

is valid, performing rules-based analysis of the invalid URL input".

19. As to applicants argument Schilling on page 3 paragraphs 19 through 21 and 23 &

24disclosed that when the root server receives an address from a client that is mistyped (for

example ".met" instead of ".net") it provides (based on a program) the correct address of the

server.

Conclusion

20. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time

policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE

MONTHS from the mailing date of this action. In the event a first reply is filed within TWO

MONTHS of the mailing date of this final action and the advisory action is not mailed until after

the end of the THREE-MONTH shortened statutory period, then the shortened statutory period

will expire on the date the advisory action is mailed, and any extension fee pursuant to 37

CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event,

however, will the statutory period for reply expire later than SIX MONTHS from the mailing

date of this final action.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Asghar Bilgrami whose telephone number is 571-272-3907. The

examiner can normally be reached on M-F, 8:00-5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, David Wiley can be reached on 571-272-3923. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Asghar Bilgrami
Examiner
Art Unit 2143

AB
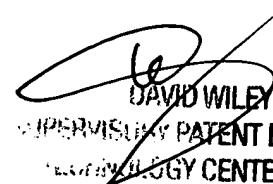
DAVID WILEY
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100